

# CRATES POINT

9701200

## SHORT DESCRIPTION:

Mitigate for wildlife habitat units lost from construction and operation of Bonneville Dam. The project will also provide direct benefits to anadromous fish.

## SPONSOR/CONTRACTOR: CTWSR

Confederated Tribes of the Warm Springs Reservation of Oregon  
Terry Luther, Fish, Wildlife and Parks manager  
Department of Natural Resources, P. O. Box C, Warm Springs, OR 97761  
541/553-3233

## SUB-CONTRACTORS:

The Columbia Gorge Discovery Center will be carry out the Phase I site rehabilitation work. This work is being contracted for directly with Bonneville. The Discovery Center will be responisble for all O&M associated with this phase of the project.

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## GOALS

### GENERAL:

Supports a healthy Columbia basin, Maintains biological diversity, Maintains genetic integrity, Increases run sizes or populations, Provides needed habitat protection

### WILDLIFE:

Habitat

### NPPC PROGRAM MEASURE:

11.3D.1

### RELATION TO MEASURE:

This program measure calls on BPA to fund wildlife mitigation projects that meet the criteria established in Section 11 of the Council's Program. Projects are subject to review by the Wildlife Working Group and approval by the Council. This project was approved for FY 97 funding.

### OTHER PLANNING DOCUMENTS:

Oregon Trust Agreement Planning Project. Project No. 92-84. October, 1993.

### TARGET STOCK

### LIFE STAGE

### MGMT CODE (see below)

Mink	22.4 HU
Black Capped Chickadee	12.2 HU
Yellow Warbler	2.2 HU
Spotted Sandpiper	42 HU
Canada Goose	34.4 HU
Great Blue Heron	53.5 HU
Mink	22.4 HU
Black Capped Chickadee	12.2 HU
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Spotted Sandpiper	42 HU
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### AFFECTED STOCK

### BENEFIT OR DETRIMENT

Waterfowl	Beneficial
Bald Eagle	Beneficial
Western Pond Turtle	Beneficial

Deer/Elk  
Anadromous fish

Beneficial  
Beneficial

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## BACKGROUND

### STREAM AREA AFFECTED

**Stream name:**

Columbia R

**Stream miles affected:**

3

**Hydro project mitigated:**

Bonneville Dam

### LAND AREA INFORMATION

**Subbasin:**

Mainstem Columbia

**Land ownership:**

public & private

**Acres affected:**

186.5 acres

**Habitat types:**

Riparian/Wetland

### HISTORY:

N/A

### BIOLOGICAL RESULTS ACHIEVED:

N/A

### PROJECT REPORTS AND PAPERS:

N/A

### ADAPTIVE MANAGEMENT IMPLICATIONS:

N/A

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## PURPOSE AND METHODS

### SPECIFIC MEASUREABLE OBJECTIVES:

BPA will receive credit for the habitat units identified in section "Target Species" listed above.

### CRITICAL UNCERTAINTIES:

Adequate funding to implement and complete project. Environmental factors which we have no control of.

### BIOLOGICAL NEED:

The Pacific Northwest Electric Power Planning and Conservation Act includes provisions for the protection, mitigation, and enhancement of fish and wildlife affected by the development and operation of hydroelectric facilities of the Columbia River Basin. This Act authorizes the Administrator of the BPA to use the BPA fund to carry out the provisions of the Act. The development of the hydropower system in the Columbia River Basin has affected many species of wildlife. Some floodplain and riparian habitats important to wildlife were inundated when reservoirs were filled. Fluctuating water levels caused by dam operations have created predation. Activities associated with hydroelectric development have altered land and stream areas in ways that adversely affect wildlife. Habitat Units will be increased by 166.65 HU for the target species identified above. The impacts of dam construction and reservoir inundation have been documented and the wildlife losses are included in the NPPC's program.

### HYPOTHESIS TO BE TESTED:

N/A

### ALTERNATIVE APPROACHES:

N/A

**JUSTIFICATION FOR PLANNING:**

N/A

**METHODS:**

Phase I of the project will focus on revegetation and rehabilitation of projects lands and water resources adjacent to the Columbia Gorge Discovery Center. Phase II will focus on development of a management plan for the remaining project lands. This will include baseline HEP, enhancement techniques, operation and maintenance and monitoring and evaluation. For more information pertaining to planning and implementation of Phase I of the project please see: Vegetation management Plan by Walker and Macy and Crates Point Site Evaluation Report, USDA Forest Service, Columbia River Gorge National Scenic Area, 1992.

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**PLANNED ACTIVITIES**

**SCHEDULE:**

<b><u>Planning Phase</u></b>	<b><u>Start</u></b> 3/92	<b><u>End</u></b> 3/1/96	<b><u>Subcontractor</u></b> Gorge Discovery Center/USDA Forest Service
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**Task** Phase I Planning. Revegetation Plan and Pond Rehabilitation. No BPA funds involved.

<b><u>Implementation Phase</u></b>	<b><u>Start</u></b> 2/1/98	<b><u>End</u></b> 2/1/00	<b><u>Subcontractor</u></b>
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**Task** Protection and Enhancement Activities

<b><u>Implementation Phase</u></b>	<b><u>Start</u></b> 8/96	<b><u>End</u></b> 6/1/97	<b><u>Subcontractor</u></b> Gorge Discovery Center
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**Task** Pond Rehabilitation and Revegetation

<b><u>O&amp;M Phase</u></b>	<b><u>Start</u></b> 10/1/97	<b><u>End</u></b> 2/1/98	<b><u>Subcontractor</u></b>
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**Task** Maintain revegetation zone and pond water quality and habitats Phase II. Development of Management Plan

**PROJECT COMPLETION DATE:**

NA

**CONSTRAINTS OR FACTORS THAT MAY CAUSE SCHEDULE OR BUDGET CHANGES:**

Inability to develop needed management agreements with State and Corps.

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**OUTCOMES, MONITORING AND EVALUATION**

**SUMMARY OF EXPECTED OUTCOMES**

**Expected performance of target population or quality change in land area affected:**

BPA will receive credit for an estimated minimum of 166.65 habitat units when full implementation of this project is achieved.

**Present utilization and conservation potential of target population or area:**

Unknown

**Assumed historic status of utilization and conservation potential:**

Unknown

**Long term expected utilization and conservation potential for target population or habitat:**

Wildlife Habitat

**Contribution toward long-term goal:**

It will provide BPA credit for the habitat units lost at Bonneville.

**Indirect biological or environmental changes:**

Unknown

**Physical products:**

185.6 Acres

**Environmental attributes affected by the project:**

Water quality and vegetation at the site will be improved. Migration corridors will be created or improved. Some land access restrictions may be required to ensure enhancement of some target species.

**Changes assumed or expected for affected environmental attributes:**

Restoring and maintaining native vegetation and migratory corridors. Improved water quality and aquatic habitat for reptiles, amphibians, mammals, and avians. Improved habitat for anadromous fish.

**Assessment of effects on project outcomes of critical uncertainty:**

Monitoring and evaluation through the use of the Habitat Evaluation Procedure

**Information products:**

Monitoring reports on the HEP.

**MONITORING APPROACH**

For information pertaining to planning and implementation of this wildlife mitigation project. Please see: Vegetation management Plan by Walker and Macy.

A H.E.P. would be conducted on the project area for all wildlife species.

**Provisions to monitor population status or habitat quality:**

N/A

**Data analysis and evaluation:**

N/A

**Information feed back to management decisions:**

N/A

**Critical uncertainties affecting project's outcomes:**

N/A

**EVALUATION**

N/A

**Incorporating new information regarding uncertainties:**

N/A

**Increasing public awareness of F&W activities:**

N/A

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**DEFINITIONS**

## RELATIONSHIPS

### OPPORTUNITIES FOR COOPERATION:

Many cooperators are involved. They include: Columbia Gorge Commission, State of Oregon, Wasco County, Wasco County Museum, Citizens of the Gorge Discovery Center, U.S. Forest Service, Bonneville Power Administration and the Army Corps of Engineers.

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## COSTS AND FTE

**1997 Planned:** \$200,000

### FUTURE FUNDING NEEDS:

<u>FY</u>	<u>\$ NEED</u>	<u>% PLAN</u>	<u>% IMPLEMENT</u>	<u>% O AND M</u>
1998	\$200,000	75%	25%	0%
1999	\$200,000	10%	90%	0%
2000	\$150,000	5%	90%	5%
2001	\$150,000	5%	40%	55%
2002	\$0			

### PAST OBLIGATIONS (incl. 1997 if done):

<u>FY</u>	<u>OBLIGATED</u>
1997	\$200,000
TOTAL:	\$200,000

Note: Data are past obligations, or amounts committed by year, not amounts billed. Does not include data for related projects.

<u>FY</u>	<u>OTHER FUNDING SOURCE</u>	<u>AMOUNT</u>	<u>IN-KIND VALUE</u>
1998	Columbia Gorge Discovery Center, Phase I O&M only	Unknown	NA
1999	Columbia Gorge Discovery Center, Phase I O&M only	Unknown	NA
2000	Columbia Gorge Discovery Center, Phase I O&M only	Unknown	NA
2001	Columbia Gorge Discovery Center, Phase I O&M only	Unknown	NA
2002	Columbia Gorge Discovery Center, Phase I O&M only	Unknown	NA

### OTHER NON-FINANCIAL SUPPORTERS:

Wasco County, Sen. Wyden, Sen. Hatfield, Gov. Kitzhaber, ODF&W, Gorge Discovery Center, USDA Forest Service, Corps of Engineers.

**LONGER TERM COSTS:** Operation and maintenance costs of approximately \$100,000 per year.

**1997 OVERHEAD PERCENT:** Confederated Tribes of Warm Springs: 40-42%.

### HOW DOES PERCENTAGE APPLY TO DIRECT COSTS:

For Phase I there will be no overhead or indirect. For rest of project will likely be a portion of direct costs.